AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A displacement type expansion machine which is equipped with an expansion mechanism (60, 130) in which power is generated as a result of expansion of high-pressure fluid supplied to an expansion chamber (62, 137),

wherein:

a communicating passage (72, 80, 140), for establishing fluid communication from a fluid outflow side of said expansion chamber (62, 137) to an expansion-process intermediate position of said expansion chamber (62, 137), is provided, and

said communicating passage (72, 80, 140) is provided with an opening/closing mechanism (73, 77, 87, 145)., and

said communicating passage communicates with said expansion chamber at a position immediately after the occurrence of overexpansion.

- 2. (Currently Amended) The displacement type expansion machine of claim 1, wherein said opening/closing mechanism (73, 87, 145) is formed by a check valve which permits fluid flow in a direction from the fluid outflow side of said expansion chamber (62, 137) towards the expansion-process intermediate position of said expansion chamber (62, 137), but prevents fluid flow in a direction from the expansion-process intermediate position of said expansion chamber (62, 137) toward the fluid outflow side of said expansion chamber (62, 137).
- 3. (Currently Amended) The displacement type expansion machine of claim 2, wherein said check valve (73, 87, 145) is formed by a spring return type check valve which is configured so as to enter the open state whenever fluid pressure at the expansion-process intermediate position of said expansion chamber (62, 137) falls below fluid pressure at the fluid outflow side of said expansion chamber (62, 137) by more than a predetermined amount.

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4. (Withdrawn-(Currently Amended)) The displacement type expansion machine of claim 1, wherein said opening/closing mechanism (77) is formed by an electromagnetic valve which is configured so as to enter the open state whenever fluid pressure at the expansion-process intermediate position of said expansion chamber (62) falls below fluid pressure at the fluid outflow side of said expansion chamber (62) by more than a predetermined amount.

- 5. (Withdrawn-(Currently Amended)) The displacement type expansion machine of any one of claims 1-4, wherein said communicating passage (80, 140) is formed so as to extend through the inside of a constructional member (61, 132) which constitutes said expansion mechanism (60, 130).
- 6. (Currently Amended) The displacement type expansion machine of any one of claims 1-4, wherein said expansion mechanism (60, 130) is configured so as to perform an expansion stroke of a vapor compression refrigerating cycle.
- 7. (Withdrawn-(Currently Amended)) The displacement type expansion machine of any one of claims 1-4, wherein said expansion mechanism (60, 130) is configured so as to perform an expansion stroke of a vapor compression refrigerating cycle in which a high-level pressure becomes a supercritical pressure.
- 8. (Currently Amended) The displacement type expansion machine of any one of claims 1-4,

wherein:

said expansion mechanism (60, 130) is a rotary type expansion mechanism, and rotational power is recovered by expansion of fluid.

9. (Currently Amended) A fluid machine comprising a casing (31, 101) which houses therein a displacement type expansion machine (60, 130), an electric motor (40,

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110), and a compressor (50, 120) which compresses fluid by being activated by said displacement type expansion machine (60, 130) and said electric motor (40, 110),

wherein said displacement type expansion machine (60, 130) is formed by a displacement type expansion machine as set forth in claim 8.

10. (New) A displacement type expansion machine which is equipped with and expansion mechanism in which power is generated as a result of expansion of high-pressure fluid supplied to an expansion chamber,

wherein;

a communicating passage, for establishing fluid communication from a fluid outflow side of said expansion chamber to an expansion-process intermediate position of said expansion chamber, is provided,

said communicating passage is provided with an opening/closing mechanism, and said communicating passage communicates with said expansion chamber at a first position where overexpansion can occur.

11. (New) A displacement type expansion machine which is equipped with an expansion mechanism in which power is generated as a result of expansion of high-pressured fluid supplied to an expansion chamber,

wherein;

a communicating passage, for establishing fluid communication from a fluid outflow side of said expansion chamber to an expansion-process intermediate position of said expansion chamber, is provided,

said communicating passage is provided with an opening/closing mechanism, and said communicating passage communicates with said expansion chamber at a position of one-fourth of a suction/expansion process toward the direction of the expansion process from a position where the suction process in the suction/expansion process is completed.

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12. (New) A displacement type expansion machine which is equipped with an expansion mechanism in which power is generated as a result of expansion of high-pressure fluid supplied to an expansion chamber,

wherein:

a communicating passage, for establishing fluid communication from a fluid outflow side of said expansion chamber to an expansion-process intermediate position of said expansion chamber, is provided,

said communicating passage is provided with an opening/closing mechanism, and said communicating passage communicates with said expansion chamber at a position of one-fourth to three-eighth of a suction/expansion process toward the direction of the expansion process from a position where the suction process in the suction/expansion process is completed.